Example
—
A GAP4 Package

Version 1.1

by

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May 2002

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1 The Example Package

This chapter describes the GAP package Example. As its name suggests it is an example of how to create a GAP package. It has little functionality except for being a package.

If you are viewing this with on-line help, type:

```
gap> ?>
```

to see the functions provided by the Example package.

1.1 The main functions

The following functions are available:

1 ▶ ListDirectory([*dir*])   F

lists the files in directory *dir* (a string) or the current directory if called with no arguments.

2 ▶ FindFile(*directory_name*, *file_name*)   F

searches for the file *file_name* in the directory tree rooted at *directory_name* and returns the absolute path names of all occurrences of this file as a list of strings.

3 ▶ LoadedPackages()   F

returns a list with the names of the packages that have been loaded so far.

4 ▶ Which(*prg*)   F

returns the path of the program executed if Exec(*prg*); is called, e.g.

```
gap> Which("date");
"/bin/date"
gap> Exec("date");
Sun Oct  7 16:23:45 CEST 2001
```

5 ▶ WhereIsPkgProgram(*prg*)   F

returns a list of paths of programs with name *prg* in the current packages loaded. Try:

```
gap> WhereIsPkgProgram( "hello" );
```

6 ▶ HelloWorld()   F

executes the C program `hello` provided by the Example package.

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This index covers only this manual. A page number in *italics* refers to a whole section which is devoted to the indexed subject. Keywords are sorted with case and spaces ignored, e.g., "PermutationCharacter" comes before "permutation group".